RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/893,878 A

Source: IFW16

Date Processed by STIC: 12-6-04

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 12/06/2004
PATENT APPLICATION: **US/09/893,878A**   TIME: 14:57:43

Input Set : **D:\DO617.70002US10 seq.txt**
Output Set: **N:\CRF4\12062004\I893878A.raw**

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 3 <110> APPLICANT: Ladner, Robert Charles
 4        Guterman, Sonia Kosow
 5        Roberts, Bruce Lindsay
 6        Markland, William
 7        Arthur, Ley Charles
 8        Rachel, Kent Baribault
10 <120> TITLE OF INVENTION: DIRECTED EVOLUTION OF NOVEL BINDING PROTEINS
12 <130> FILE REFERENCE: D0617.70002US10
14 <140> CURRENT APPLICATION NUMBER: 09/893,878A
15 <141> CURRENT FILING DATE: 2001-06-29
17 <150> PRIOR APPLICATION NUMBER: 08/993,776
18 <151> PRIOR FILING DATE: 1997-12-18
20 <150> PRIOR APPLICATION NUMBER: 08/415,922
21 <151> PRIOR FILING DATE: 1995-04-03
23 <150> PRIOR APPLICATION NUMBER: 08/009,319
24 <151> PRIOR FILING DATE: 1993-01-26
26 <150> PRIOR APPLICATION NUMBER: 07/664,989
27 <151> PRIOR FILING DATE: 1991-03-01
29 <150> PRIOR APPLICATION NUMBER: 07/487,063
30 <151> PRIOR FILING DATE: 1990-03-02
32 <150> PRIOR APPLICATION NUMBER: 07/240,160
33 <151> PRIOR FILING DATE: 1988-09-02
35 <160> NUMBER OF SEQ ID NOS: 261
37 <170> SOFTWARE: PatentIn version 3.3
39 <210> SEQ ID NO: 1
40 <211> LENGTH: 28
41 <212> TYPE: PRT
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45 <223> OTHER INFORMATION: synthetic peptide
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$Cp3.(6-7)$

RAW SEQUENCE LISTING   DATE: 12/06/2004
PATENT APPLICATION: US/09/893,878A   TIME: 14:57:43

Input Set : D:\DO617.70002US10 seq.txt
Output Set: N:\CRF4\12062004\I893878A.raw

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 80 <222> LOCATION: (24)..(28)
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129 <222> LOCATION: (20)..(22)
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RAW SEQUENCE LISTING   DATE: 12/06/2004
PATENT APPLICATION: US/09/893,878A   TIME: 14:57:43

Input Set : D:\DO617.70002US10 seq.txt
Output Set: N:\CRF4\12062004\I893878A.raw

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     164 <223> OTHER INFORMATION: where xaa can be any naturally occurring amino acid
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W--> 167 <221> NAME/KEY: misc feature
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     169 <223> OTHER INFORMATION: where xaa can be any naturally occurring amino acid
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W--> 172 <221> NAME/KEY: misc feature
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     178 <222> LOCATION: (18)..(19)
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     184 <223> OTHER INFORMATION: where xaa can be any naturally occurring amino acid
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     189 <223> OTHER INFORMATION: where xaa can be any naturally occurring amino acid
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     196 <400> SEQUENCE: 3
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     203             20                  25
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     223 <223> OTHER INFORMATION: where xaa can be any naturally occurring amino acid
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     228 <223> OTHER INFORMATION: where xaa can be any naturally occurring amino acid
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     257             20                  25
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/06/2004
PATENT APPLICATION: US/09/893,878A   TIME: 14:57:44

Input Set : D:\DO617.70002US10 seq.txt
Output Set: N:\CRF4\12062004\I893878A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,4,5,7,8,9,11,12,13,14,15,17,18,20,21,22,24,25,26,27,28
Seq#:2; Xaa Pos. 2,4,5,7,8,9,11,12,13,14,15,17,18,20,21,22,24,25,26,27,28
Seq#:3; Xaa Pos. 2,4,5,6,8,9,10,12,13,14,15,16,18,19,21,22,23,25,26,27,28
Seq#:3; Xaa Pos. 29
Seq#:4; Xaa Pos. 2,4,5,6,8,9,10,12,13,14,15,16,18,19,21,22,23,25,26,27,28
Seq#:4; Xaa Pos. 29
Seq#:5; Xaa Pos. 2,4,5,6,7,9,10,11,13,14,15,16,17,19,20,22,23,24,26,27,28
Seq#:5; Xaa Pos. 29,30
Seq#:6; Xaa Pos. 2,4,5,6,7,9,10,11,13,14,15,16,17,19,20,22,23,24,26,27,28
Seq#:6; Xaa Pos. 29,30
Seq#:7; Xaa Pos. 1,3,4,5,6,8
Seq#:8; Xaa Pos. 3,5,6,7,8,10
Seq#:19; Xaa Pos. 1,2,4,5,6,7,9,10
Seq#:20; Xaa Pos. 1,4,5,6,8,9,10,11,12
Seq#:21; Xaa Pos. 1,2,5,6,7,9,10,11,12,13 .
Seq#:22; Xaa Pos. 1,4,5,6,8,9,10,11,12,14
Seq#:23; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15
Seq#:24; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15
Seq#:25; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16
Seq#:26; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16
Seq#:27; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16,17
Seq#:28; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16,17
Seq#:29; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16,17,18
Seq#:30; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16,17,18
Seq#:31; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16,17,18,19
Seq#:32; Xaa Pos. 1,2,5,6,7,8,10,11,12,13,15,16,17,18,21
Seq#:34; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,20,21,22,23
Seq#:35; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,20,21,22,23,24
Seq#:36; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,20,21,22,23,24,25
Seq#:37; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,19,21,22,23,24
Seq#:38; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,19,21,22,23,24,25
Seq#:39; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,19,21,22,23,24,25,26
Seq#:40; Xaa Pos. 5,6,7,8,9,10
Seq#:41; Xaa Pos. 5,6,7,8,9,10
Seq#:42; Xaa Pos. 4,6,7,8,9,10,11
Seq#:88; Xaa Pos. 1,2,3,4,5,6
Seq#:107; N Pos. 5,7,8
Seq#:129; N Pos. 21,22,23,24,25,26,27,28,29
Seq#:130; N Pos. 21,22,23,24,25,26,27,28,29,30,31,32,33,34,35
Seq#:131; N Pos. 21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39
Seq#:131; N Pos. 40,41
Seq#:133; N Pos. 29,30,31,32,33,34,35,36,37
Seq#:134; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42
Seq#:135; N Pos. 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47

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          RAW SEQUENCE LISTING ERROR SUMMARY        DATE: 12/06/2004
          PATENT APPLICATION:   US/09/893,878A      TIME: 14:57:44

          Input Set : D:\DO617.70002US10 seq.txt
          Output Set: N:\CRF4\12062004\I893878A.raw

Seq#:135; N Pos. 48,49
Seq#:151; N Pos. 5,6,7,8,9
Seq#:153; Xaa Pos. 132,133,134
Seq#:155; Xaa Pos. 5,6,7
Seq#:170; N Pos. 22,23,24,28,29,30,52,53,54,58,59,60,73,74,75,115,116,117
Seq#:171; Xaa Pos. 6,8,16,18,23,37
Seq#:172; N Pos. 22,23,24,28,29,30,52,53,54,58,59,60
Seq#:173; N Pos. 22,23,24,64,65,66
Seq#:176; N Pos. 18,19,27,28,33,34,35,37,57,58,59,66,67,68,69,70,71,120,121
Seq#:176; N Pos. 122
Seq#:177; Xaa Pos. 4,7,9,10,17,20,21,38
Seq#:178; N Pos. 19,20,21
Seq#:179; N Pos. 18,19,27,28,33,34,35,37,57,58,59,66,67,68,69,70,71
Seq#:182; N Pos. 18,19,24,25,42,43,44,55,56,72,78,80,87,88,89,93,94,95
Seq#:183; Xaa Pos. 4,6,12,16,22,24,27,29
Seq#:184; N Pos. 18,19,24,25,42,43,44,55,56
Seq#:185; N Pos. 31,32,33,37,38,39,46,48,54
Seq#:191; Xaa Pos. 132,133,134
Seq#:193; N Pos. 4,5,6,7,8,9,10
Seq#:235; Xaa Pos. 77
Seq#:240; Xaa Pos. 128,129,130
Seq#:243; Xaa Pos. 485
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VERIFICATION SUMMARY   DATE: 12/06/2004
PATENT APPLICATION: **US/09/893,878A**   TIME: 14:57:44

Input Set : **D:\DO617.70002US10 seq.txt**
Output Set: **N:\CRF4\12062004\I893878A.raw**

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L:162 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:167 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:172 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:177 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
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L:874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:878 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:16
L:913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:16
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L:956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:16
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⌐:1297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
⌐:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:16
⌐:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
⌐:1340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:16
⌐:1360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
⌐:1379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
⌐:1404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
⌐:2496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0
⌐:2779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:0
⌐:3151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:0
⌐:3251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0
⌐:3385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:0
⌐:3463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:0
⌐:3561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0
⌐:3695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:0
⌐:3917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:0
⌐:4000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:128
⌐:4046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:0
⌐:4392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:0
⌐:4394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:60
⌐:4452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:0
⌐:4456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:16
⌐:4460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:32
⌐:4542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:0
⌐:4595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:0
⌐:4597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:60
⌐:4760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:0
⌐:4762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:60
⌐:4764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:120
⌐:4825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:0
⌐:4829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:16
⌐:4833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:32
⌐:4864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:0
⌐:4980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179 after pos.:0
⌐:4982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179 after pos.:60
⌐:5133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:0
⌐:5135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:60
⌐:5203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:0
⌐:5207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:16
⌐:5272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:0
⌐:5340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:0
⌐:5535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:128
:5584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:0
:6323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:235 after pos.:64
:6452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:240 after pos.:112
:6456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:240 after pos.:128
:6638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:243 after pos.:480
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